


Exhibit E:

Exemplary Infringement of U.S.
Patent No. 10,188,940 by Xbox
One Controller with “Racer
Trigger”

Claim 1 of US 10,188,940	
<p>An apparatus for supplying user inputs to a computer program for controlling the computer program,</p>	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One S Pro Builder is an apparatus that supplies user inputs to a computer program for controlling the computer program.</p> <div data-bbox="909 399 1686 959">  <p>The image shows a black Xbox One S Pro Builder controller. A red line points from a red-bordered box labeled 'Apparatus' to the top button of the controller.</p> </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="646 1089 1793 1325"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres. At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

the apparatus comprising an outer case,

The XBOX One S controller includes an outer case.



at least on depressible trigger mechanism,

Depressible trigger

Depressible trigger



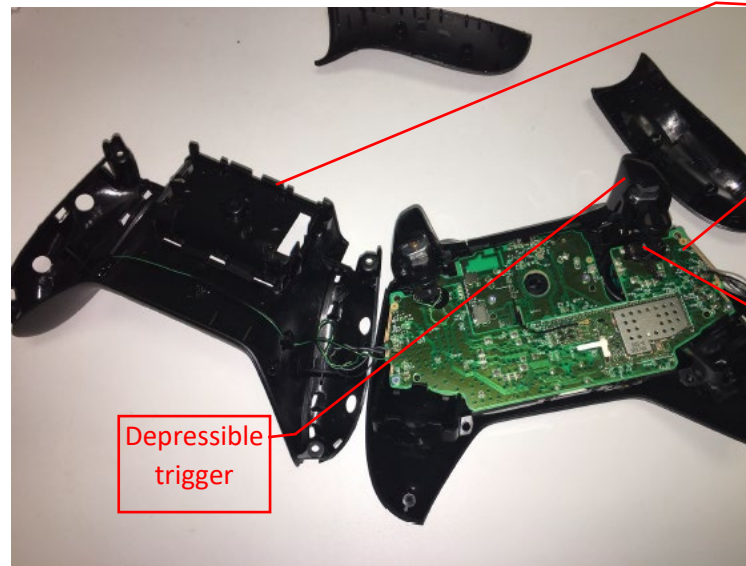
and a mechanism for manual adjustment of a range of motion of the at least one trigger mechanism, the mechanism being disposed within an internal volume defined by the outer case of the apparatus.

The Racer Triggers include a mechanism that manually adjusts a range of motion of the at least one trigger mechanism. The Racer Trigger is disposed within an internal volume defined by the outer case of the apparatus.

The Racer Trigger modifies the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens or adjusts the range of motion of the trigger.

What are Racer Triggers?

Our **Racer Triggers** offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres. At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.




Outer case

Internal volume

Depressible
trigger

Racer Trigger positioned to
manually adjust original
trigger motion range

Claim 2 of US 10,188,940	
<p>An apparatus for supplying user inputs to a computer program for controlling the computer program,</p>	<p>The XBOX One S Pro Builder is a video game controller that supplies user inputs to a computer program for controlling the computer program.</p> <div data-bbox="997 370 1675 755">  </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="646 850 1793 1089"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

the apparatus comprising an outer case,

The XBOX One S controller includes an outer case.



at least on depressible trigger mechanism

Depressible trigger

Depressible trigger



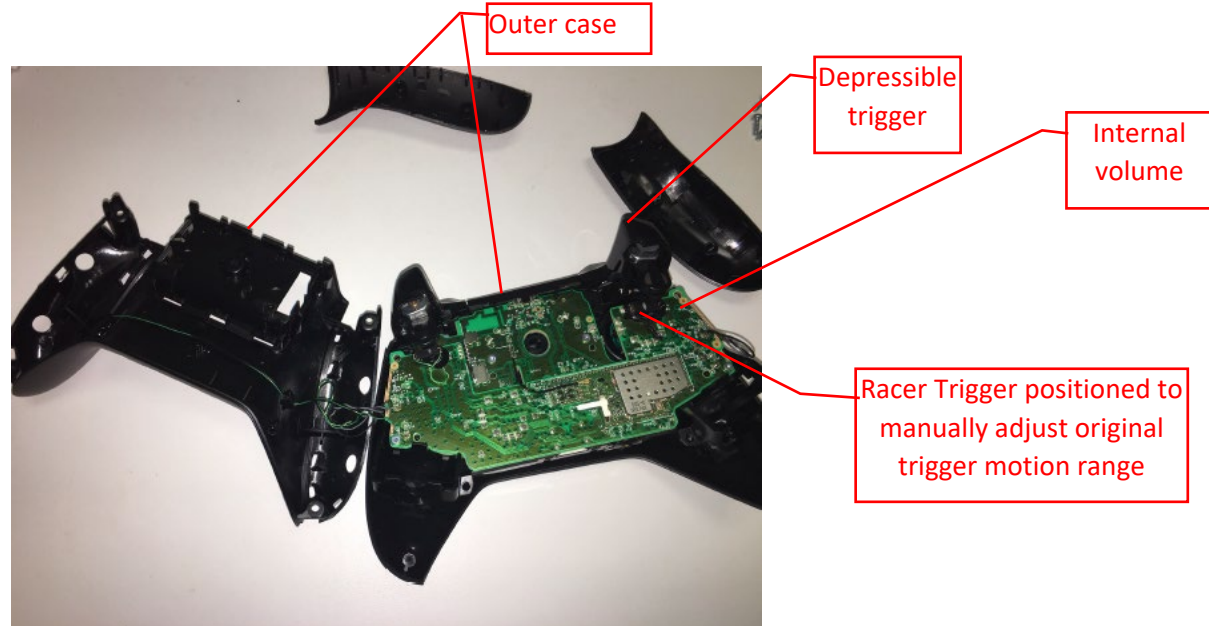
and a first mechanism for adjusting a first end stop position of a range of motion of the at least one depressible trigger mechanism, the first mechanism being disposed within an internal volume defined by the outer case of the apparatus.


The Racer Triggers include a mechanism that adjusts a first end stop position of a range of motion of the at least one trigger mechanism. The Racer Trigger is disposed within an internal volume defined by the outer case of the apparatus.



The Racer Trigger adjusts the first end stop position of the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens the range of motion by adding a stop within the travel path. The Racer Trigger is positioned within the outer face of the apparatus.

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Claim 4 of US 10,188,940	
<p>A game controller for controlling electronic games,</p>	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One S Pro Builder is a game controller for controlling electronic games.</p> <div data-bbox="909 381 1690 941">  </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="646 1071 1793 1312"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

<p>including a housing,</p>	<p>The XBOX One S controller includes a housing.</p>  <p>A top-down view of a black Xbox One S controller. A red line points from a red-bordered box labeled "housing" to the top surface of the controller.</p>
<p>at least one depressible trigger at least in part exposed relative to the housing,</p>	<p>The at least one depressible trigger is exposed at least in part relative to the housing</p>  <p>A bottom-up view of a black Xbox One S controller. Three red labels with lines pointing to specific parts are present: "Depressible trigger" points to the left trigger, "Exposed portion" points to the trigger mechanism on the right, and "Housing" points to the bottom surface of the controller.</p>

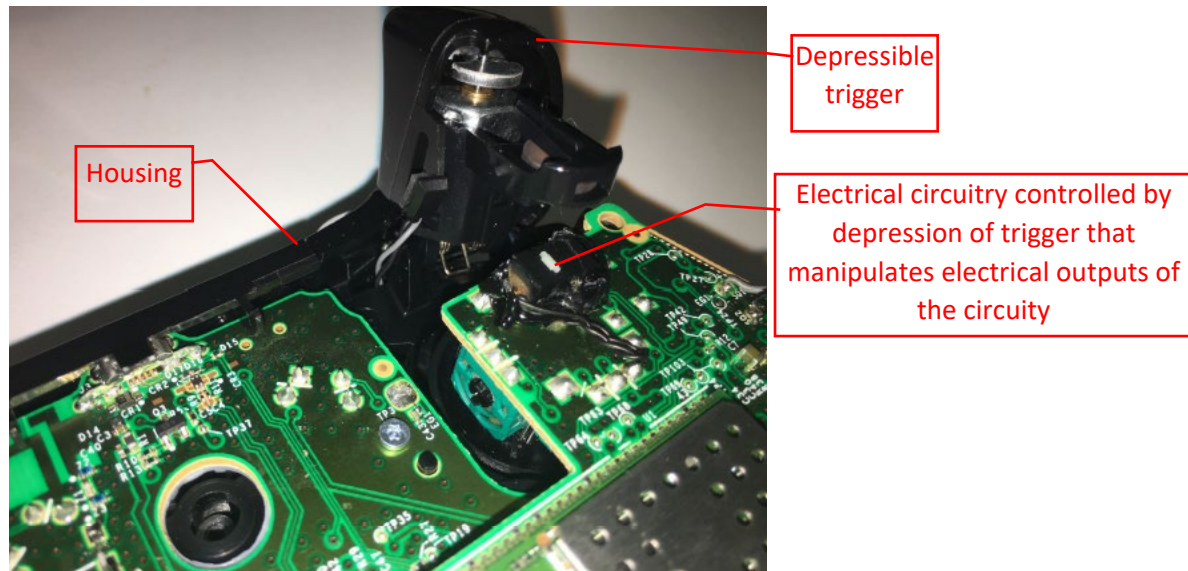
said at least one depressible trigger being in operational association with electrical circuitry contained within the housing, which electrical circuitry is controlled by depression of the at least one depressible trigger for manipulating electrical outputs of the electrical circuitry for the controlling electronic games and

The trigger is in operational association with a switch coupled to a PCB (e.g., electrical circuitry), where the switch and PCB are contained within the housing. The switch is controlled by depression of the trigger and generates “inputs” to the PCB, which manipulates an electrical signal or output from the PCB to control the electronic games.

For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” <https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers>

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Our **Racer Triggers** offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres. At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.



the game controller having a mechanism which provides for manual adjustment of a depressible range of the at least one depressible trigger mechanism.

Racer Triggers include a mechanism that provides for a manual adjustment of the depressible range of the trigger mechanism.

The Racer Trigger is “a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%” In other words, the Racer Trigger manually adjusts the depressible range (linear travel) of the trigger to half that of a stock trigger.

<https://battlebeavercustoms.com/tools/builder/140>

Triggers

Left Trigger

No Trigger Adjustments **Racer Triggers** Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%

Right Trigger

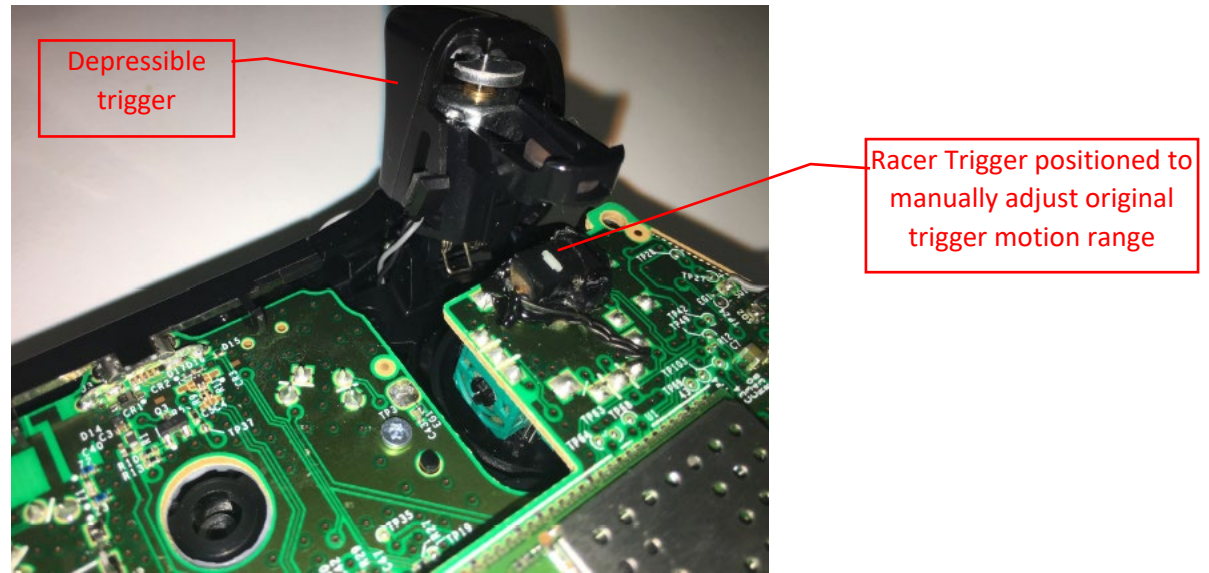
No Trigger Adjustments **Racer Triggers** Smart Triggers

Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%

The Racer Trigger adjusts the first end stop position of the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens the range of motion by adding a stop within the travel path. The Racer Trigger is positioned within the outer face of the apparatus.

What are Racer Triggers?

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Claim 5 of US 10,188,940	
<p>An apparatus for supplying user inputs to a computer program for controlling the computer program,</p>	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One S Pro Builder is an apparatus for supplying user inputs (e.g., button and trigger selections) to control a computer program. .</p> <div data-bbox="966 402 1732 815" data-label="Image"> <p>The image shows a black Xbox One S Pro Builder controller. A red line points from a red-bordered box labeled 'Apparatus' to the right trigger of the controller.</p> </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="646 946 1793 1187" data-label="Text"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

the apparatus comprising an outer case,

XBOX One S controller includes an outer case.



at least one depressible trigger mechanism,

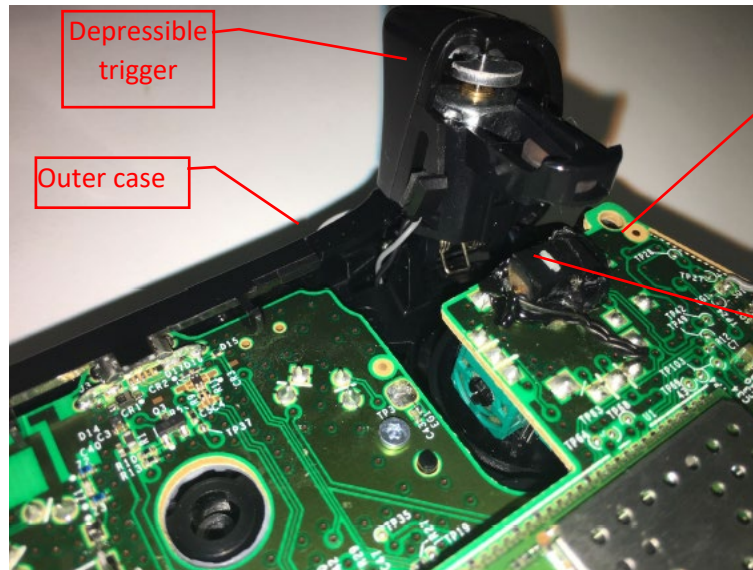


and a trigger adjustment system that allows for manual adjustment of a range of motion of the at least one trigger mechanism, the trigger adjustment system being disposed within an internal volume defined by the outer case of the apparatus.

Racer Triggers include a trigger adjustment system that allows for manual adjustment of a range of motion of the at least one trigger mechanism. The trigger adjustment system being disposed within an internal volume defined by the outer case of the apparatus.

What are Racer Triggers?

Our **Racer Triggers** offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres. At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.




Depressible
trigger

Outer case

Internal
volume

Racer Trigger positioned to
manually adjust original
trigger motion range

Claim 6 of US 10,188,940	
<p>An apparatus for supplying user inputs to a computer program for controlling the computer program,</p>	<p>To the extent the preamble is limiting, the Battle Beaver products include this feature. The XBOX One S Pro Builder is an apparatus that supplies user inputs to a computer program for controlling the computer program.</p> <div data-bbox="909 477 1738 976">  </div> <p>For example, the Racer Triggers provide an “input” for computer programs, such as “racing games” including “Rocket League.” https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p> <div data-bbox="646 1105 1793 1347"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div>

the apparatus comprising an outer case,

The XBOX One S controller includes an outer case.



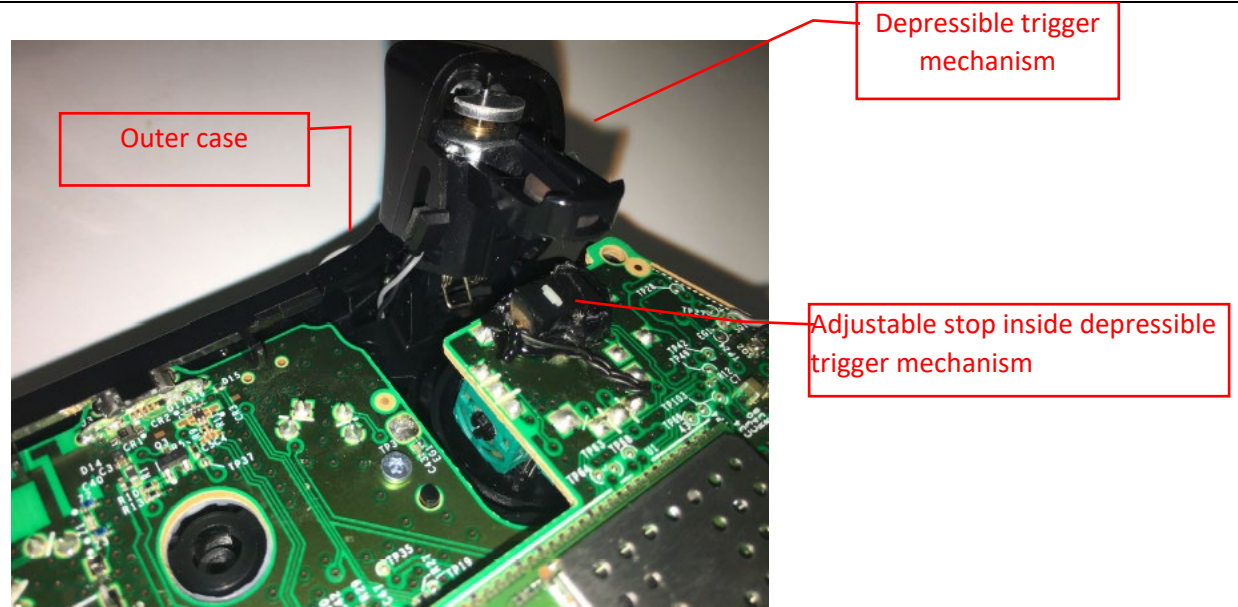
at least one depressible trigger mechanism,



Depressible trigger

Depressible trigger

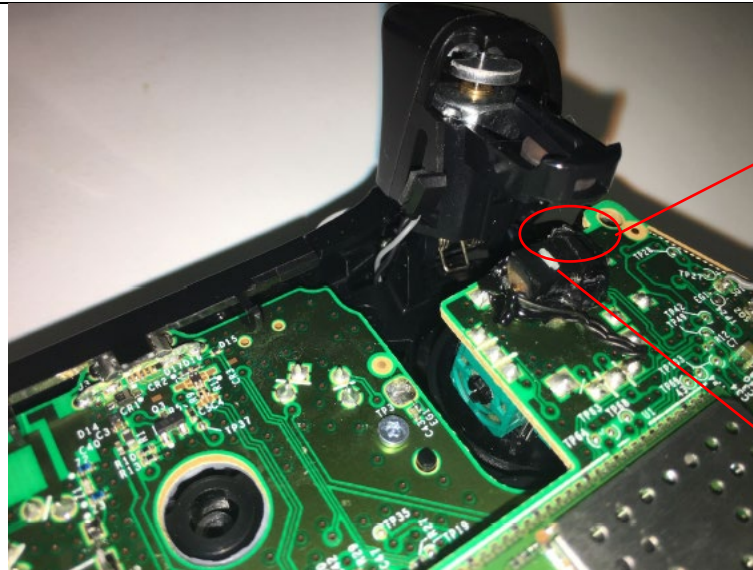


and a stop adjustably positioned to engage the at least one depressible trigger mechanism, the stop being disposed within an internal volume of the outer case.



Claim 8 of US 10,188,940	
<p>A game controller for controlling electronic games, including a housing, at least one depressible trigger at least in part exposed relative to the housing,</p>	 <p>Depressible trigger protruding from housing</p> <p>Game controller</p> <p>housing</p>
<p>said at least one depressible trigger being in operational association with electrical circuitry contained within the housing,</p>	 <p>Depressible trigger mechanism</p> <p>Controller housing</p> <p>Associated electrical circuitry</p>

which electrical circuitry is controlled by depression of the at least one depressible trigger for manipulating electrical outputs of the electrical circuitry for controlling electronic games and the game controlled having a trigger adjustment system that allows for the manual adjustment of a depressible range of the at least one depressible trigger mechanism.



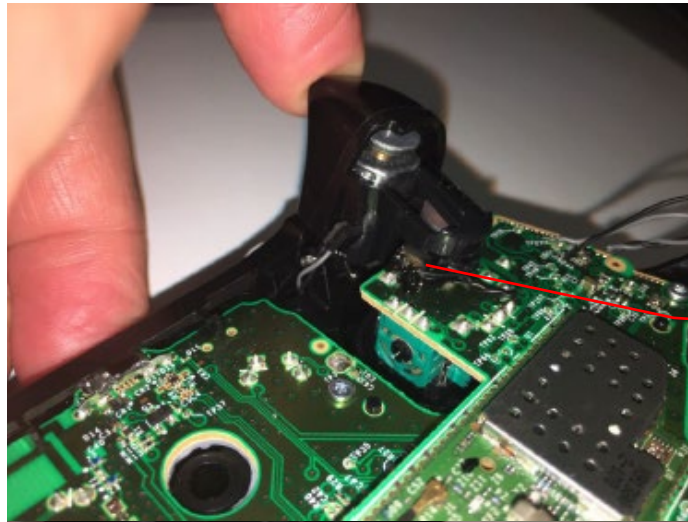
Depressible range denoted
by height of trigger
adjustment system

Trigger adjustment
system

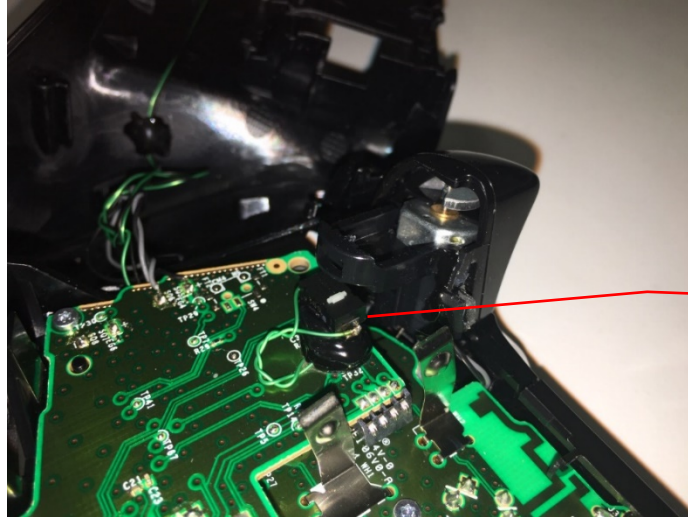
Dependent Claims US 10,188,940	
<p>3. The apparatus of claim 2 further comprising a second mechanism which provides for manual adjustment of a second end stop position of the range of motion of the at least one depressible trigger mechanism, the second mechanism being disposed within the internal volume defined by the outer case of the apparatus.</p>	<p>The Racer Triggers include a mechanism that manually adjusts a range of motion of the at least one trigger mechanism. The Racer Trigger is disposed within an internal volume defined by the outer case of the apparatus.</p> <p>The Racer Trigger modifies the as-manufactured travel path of the trigger to reduce travel time to actuate the button, i.e., shortens or adjusts the range of motion of the trigger.</p> <div data-bbox="661 462 1795 698" data-label="Text"> <p>What are Racer Triggers?</p> <p>Our Racer Triggers offer a variable input with an instant 100% click halfway through the trigger pull. We originally developed our Smart Triggers for First Person Shooter games, but as our popularity grew we soon began to redesign them for alternative genres.</p> <p>At the time, some of our technicians were really into Rocket League™, so they worked to redesign our triggers to strike the balance between speed and functionality for racing games, and allow for a wider range of uses in other genres as well.</p> </div> <div data-bbox="640 714 1837 1291" data-label="Image"> </div>

7. The apparatus of claim 6 wherein a position of the stop is manually adjustable.

The location of the stop is manually adjustable as Battle Beaver controls and can vary the height of the stop, such as by adding more or less adhesive, to change the allowable linear range of the trigger (e.g., Smart Trigger) to a second range (e.g., Racer Trigger).

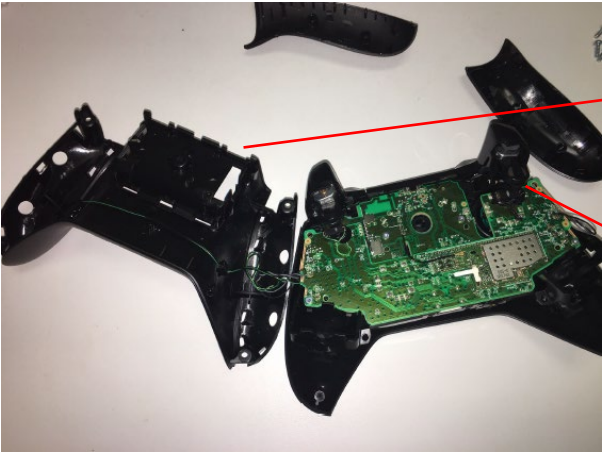


Racer trigger with relatively smaller piece of glue and a low stop.



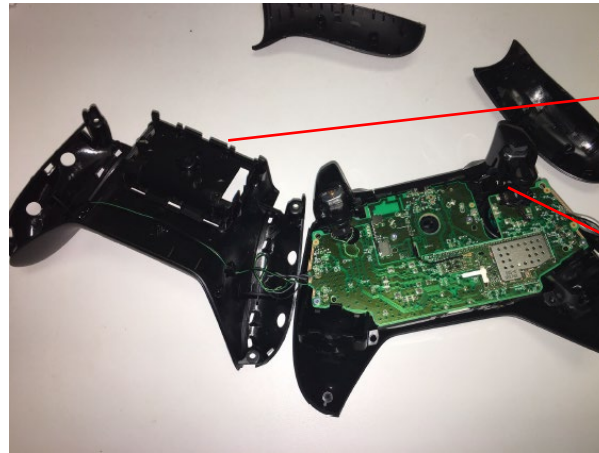
Smart trigger with large piece of glue and a high stop.

	<p>Options for trigger modifications include “Smart Trigger” and “Racer Trigger,” where the Racer Trigger allows 50% of the original trigger movement. https://battlebeavercustoms.com/tools/builder/63</p> <p>Triggers</p> <p>Left Trigger</p> <p>No Trigger Adjustments Racer Triggers Smart Triggers</p> <p>Smart Triggers: Permanently and Internally converts linear trigger into a button. Removes the progressive ramp up, and has the shortest and lightest trigger pull available. Works for most games.</p> <p>Right Trigger</p> <p>No Trigger Adjustments Racer Triggers Smart Triggers</p> <p>Racer Triggers: A unique trigger that is a hybrid between Stock and Smart triggers. The trigger will move freely from 0-50% then click a smart trigger switch to instantly go from 50-100%</p>
9. The apparatus of claim 1 wherein the computer program is a game program.	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>

<p>10. The apparatus of claim 1 wherein the outer case comprises a removable cover panel to enable access to the mechanism and to enable removal of the mechanism.</p>	<p>The outer case includes a removable cover panel that enables access to the mechanism to enable removal of the mechanism.</p>  <p>Removable cover panel</p> <p>Access to mechanism</p>
<p>11. The apparatus of claim 2 wherein the computer program is a game program.</p>	<p>The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers</p>

12. The apparatus of claim **2** wherein the outer case comprises a removable cover panel to enable access to the first mechanism and to enable removal of the first mechanism.

The outer case includes a removable cover panel that enables access to the mechanism to enable removal of the mechanism.

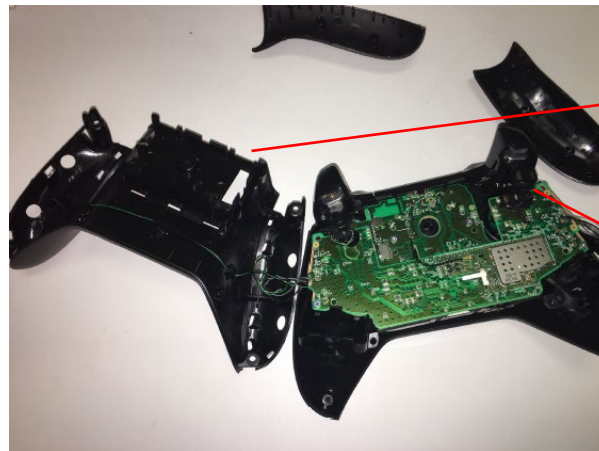


Removable cover panel

Access to mechanism

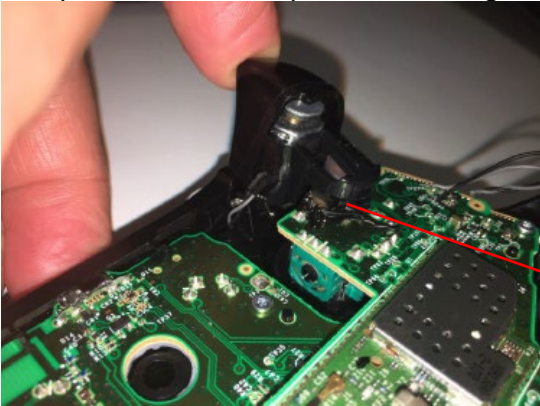
14. The apparatus of claim **3** wherein the outer case comprises a removable cover panel to enable access to the second mechanism and to enable removal of the second mechanism.

The outer case includes a removable cover panel that enables access to the mechanism to enable removal of the mechanism.



Removable cover panel

Access to mechanism

15. The apparatus of claim 5 wherein the computer program is a game program.	The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers
16. The apparatus of claim 6 wherein the computer program is a game program.	The XBOX One controller provides inputs for game programs, such as “Rocket League”. https://battlebeavercustoms.com/tools/help-center#what-are-racer-triggers
17. The apparatus of claim 6 wherein a position of the stop defines a range of motion of the at least one depressible trigger mechanism.	<p>The position of the stop defines a range of motion for the trigger.</p>  <p>The position of the stop defines a range of motion for the trigger</p>